

CLAIMS

1. A cordless power tool comprising:
an electric double layer capacitor mounted in a tool main
5 body as a power supply of a motor and rechargeable by an external
recharger; and
a charging electrode provided in the tool main body.
2. The cordless power tool according to claim 1, further
10 comprising:
a secondary battery disposed in parallel to the electric
double layer capacitor,
when a start switch is off, the electric double layer
capacitor is charged by the secondary battery or the external
15 recharger, and
when the start switch is on, current is supplied from
the electric double layer capacitor to the motor.
3. The cordless power tool according to claim 2, wherein
20 the secondary battery is a lithium-ion battery.
4. A cordless power tool comprising:
a plurality of electric double layer capacitors mounted
in a tool main body as a power supply of a motor and rechargeable
25 by an external recharger;
a charging electrode provided in the tool main body; and

a series parallel switching circuit that switches the plurality of electric double layer capacitors into parallel connection when a start switch is off, and switches the plurality of electric double layer capacitors into series connection
5 when the start switch is on.

5. The cordless power tool according to claim 4, further comprising:

a secondary battery disposed in parallel to the electric
10 double layer capacitors,

when the start switch is off, the electric double layer capacitors are charged by the secondary battery or the external recharger, and

when the start switch is on, current is supplied from
15 the electric double layer capacitors to the motor.

6. The cordless power tool according to claim 5, wherein the secondary battery is a lithium-ion battery.

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